

Abstract

A heat-dissipating aqueous coating composition and a method for making more comfortable the inner temperature of buildings, housings and the like, by applying a thin layer of said aqueous composition on the exterior surfaces of roofs and walls, which composition dissipates heat from said roofs and walls through evaporation of water which is absorbed from ambient air by a hygroscopic material contained in said composition. The absorption-evaporation cycle is repeated through the daily natural relative changes of relative humidity of ambient air following the heating and cooling cycles of said roofs and walls exposed to solar radiation. The aqueous composition contributes to savings in energy consumption of air conditioning equipment and may be applied with excellent adherence and durability over exterior surfaces of concrete, metallic sheet and other materials.